Model 720T
Owner's Guide

Limited Lifetime Consumer Warranty

For a period of one calendar year from the date of purchase of this auto-security device, Directed Electronics, Inc. promises to the ORIGINAL PURCHASER to repair or replace (with a comparable reconditioned model), free of cost, any electronic control module which proves to be defective in workmanship or material under normal use, SO LONG AS THE SYSTEM WAS SOLD, INSTALLED, AND SERVICED BY A PROFESSIONAL AUTO INSTALLER, AND REMAINS IN THE CAR IN WHICH THE SYSTEM WAS ORIGINALLY INSTALLED. If warranty service is necessary you must have a clear copy of your sales receipt containing all of the information shown on the following page.

After the first calendar year, from the date of purchase of this auto-security device, Directed Electronics, Inc., promises to the ORIGINAL PURCHASER to repair or replace (with a comparable reconditioned model) any electronic control module which proves to be defective in workmanship or material under normal use **FOR A CHARGE OF $45.00,** SO LONG AS THE SYSTEM WAS SOLD, INSTALLED, AND SERVICED BY A PROFESSIONAL AUTO INSTALLER, AND REMAINS IN THE CAR IN WHICH THE SYSTEM WAS ORIGINALLY INSTALLED. If warranty service is necessary you must have a clear copy of your sales receipt containing all of the information shown on the following page.

This warranty contains the entire agreement relating to warranty and supersedes all previous and contemporaneous representations or understandings, whether written or oral. IN ANY EVENT, DEI IS NOT LIABLE FOR THE THEFT OF THE VEHICLE AND/OR ITS CONTENTS.

This warranty is void if the product has been damaged by accident, unreasonable use, neglect, improper service or other causes not arising out of defects in materials or construction. This warranty is nontransferable and does not apply to any unit that has been modified or used in a manner contrary to its intended purpose and does not cover batteries. The unit in question must be returned to the manufacturer, postage prepaid. This warranty does not cover labor costs for the removal, diagnosis, troubleshooting or reinstallation of the unit. For service on an out-of-warranty product a flat rate fee by model is charged. Contact your authorized dealer to obtain the service charge for your unit.

These systems are a deterrent against possible theft. Directed Electronics, Inc. is not offering a guarantee or insuring against the theft of the automobile or its contents and disclaims any liability for the theft of the vehicle and/or its contents. Directed Electronics does not authorize any person to create for it any other obligation or liability in connection with this security system.

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TO THE MAXIMUM EXTENT ALLOWED BY LAW, ANY AND ALL WARRANTIES ARE EXCLUDED BY THE MANUFACTURER AND EACH ENTITY PARTICIPATING IN THE STREAM OF COMMERCE THEREWITH. THIS EXCLUSION INCLUDES BUT IS NOT LIMITED TO THE EXCLUSION OF ANY AND ALL WARRANTY OF MERCHANTABILITY AND/OR ANY AND ALL WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE AND/OR ANY AND ALL WARRANTY OF NON-INFRINGEMENT OF PATENTS, IN THE UNITED STATES OF AMERICA AND/OR ABROAD. NEITHER THE MANUFACTURER OR ANY ENTITIES CONNECTED THEREWITH SHALL BE RESPONSIBLE OR LIABLE FOR ANY DAMAGES WHATSOEVER, INCLUDING BUT NOT LIMITED TO ANY CONSEQUENTIAL DAMAGES, INCIDENTAL DAMAGES, TOWING, REPAIR, REPLACEMENT, DAMAGES FOR LOSS OF TIME, LOSS OF EARNINGS, COMMERCIAL LOSS, LOSS OF ECONOMIC OPPORTUNITY AND THE LIKE. NOTWITHSTANDING THE ABOVE, MANUFACTURER DOES OFFER A LIMITED WARRANTY TO REPLACE OR REPAIR THE CONTROL MODULE AS DESCRIBED ABOVE. Some states do not allow limitations on how long an implied warranty will last or the exclusion or limitation of incidental or consequential damages. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

IMPORTANT NOTE:
This product warranty is automatically void if its date code or serial number is defaced, missing, or altered. This warranty will not be valid unless you have completed the warranty card and mailed it to Directed Electronics, Inc. within 10 days after purchase to the address listed on the warranty registration card.

Make sure you have all of the following information from your dealer:

A clear copy of the sales receipt, showing the following:

- Date of purchase
- Your full name and address
- Authorized dealer's company name and address
- Type of system installed
- Year, make, model and color of the automobile
- Automobile license number
- Vehicle identification number
- All security options installed on automobile
- Installation receipts

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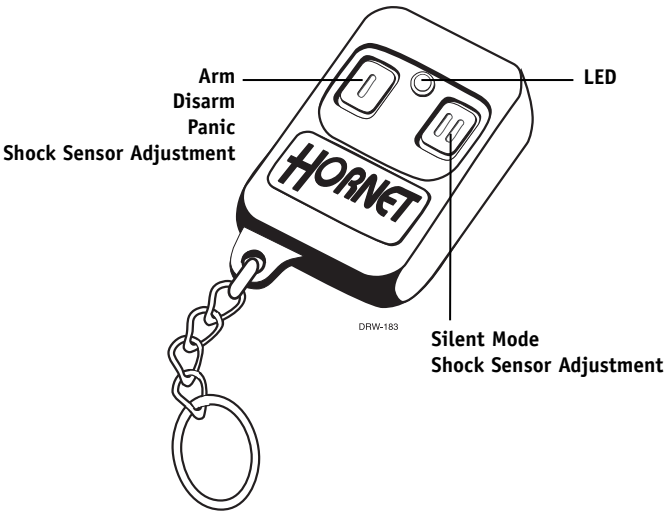
Transmitter Configuration



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What is Included

- The control module
- A pair of two-button transmitters
- The siren and voice command module, on-board the control module
- A Stinger® Doubleguard® dual-stage shock/impact sensor, on-board the control module
- The red status LED indicator light

Important Information

Congratulations on the purchase of your state-of-the-art vehicle security system. This system has been designed to provide years of trouble-free operation. This owner's guide should help you to get the most out of your system. Please take the time to read it thoroughly prior to using the system.

FCC/ID Notice

This device complies with Part 15 of FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

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Caution: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this device.

System Maintenance

The system requires no specific maintenance. Your remote control is powered by a miniature 12V battery, type GP23A, that will last approximately one year under normal use. When the battery weakens, operating range will be reduced and the LED on the remote will dim.

Your Warranty

Your warranty card must be returned and the bar-code serial number must not be removed. If the warranty card is not returned you don't have a warranty. It is also necessary to keep your proof of purchase which reflects that the product was installed by an authorized dealer. Make sure you receive the warranty card from your dealer.

Transmitter Functions

Button

The arm, disarm and panic functions are controlled by .

Button

Silent Mode™ and shock sensor adjustment are controlled by .

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Using Your System

Arming

You can turn on, or arm, the system by pressing [0] on your transmitter for one second. When the system arms, the voice command module will announce "SYSTEM ARMED" and the parking lights will flash once (optional). While the system is armed, the status LED will flash approximately twice per second, indicating that the system is actively protecting your vehicle.

When armed, your vehicle is protected in the following ways:

- Light impacts will trigger the Warn Away™ signal. When triggered, the voice command module will announce "PROTECTED BY SECURITY SYSTEM - STAND BACK" and the parking lights will flash for a few seconds (optional).
- Heavy impacts will trigger the system. The trigger sequence is 30 seconds of constant siren and flashing parking lights (optional).
- The current sensor monitors the electrical system and can detect an interior light if a door is opened. If the current sensor is being used to detect door entry, the domelight in the vehicle must be working and left in the "door" position. If the domelight does not illuminate when a door is opened, the current sensor cannot detect the entry.
- The optional starter kill prevents the vehicle's starter from cranking.

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Disarming

To turn off, or disarm the system, press [0] again. The voice command module will announce "SYSTEM DISARMED" and the parking lights will flash twice (optional).

High Security Disarm

Your system includes a High Security Disarm feature. During the trigger sequence, using the remote transmitter to disarm the system will only stop the trigger sequence (the siren will stop); however, the system will remain armed. This is extremely useful if you must stop the system from sounding, but are unable to visually check the vehicle. The trigger will stop, but the vehicle will remain protected.

To disarm the system with the transmitter during a trigger, press [0] on your transmitter. The siren will stop sounding. Next press [0] once more and the system will chirp two times and the system will disarm.

Silent Mode

To temporarily turn off the voice command module, use Silent Mode™. Simply press [00] briefly before arming or disarming, and the voice confirmation will be eliminated for that one operation only. If you want the arm/disarm voice command module turned off permanently, consult with your dealer, or the installation guide.

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Panic Mode

If you are threatened in or near your vehicle, you can attract attention by triggering the system with your transmitter! Just press [0] for 1.5 seconds, and you will enter Panic Mode. The siren will sound for 30 seconds. To stop Panic Mode at any time, press [0] on the transmitter again.

Shock Sensor Adjustment

The system features a Doubleguard® shock sensor inside the control unit. All adjustments to the sensor are made using the remote transmitter.

Adjusting the Shock Sensor Warn-Away

1. Disarm the system by pressing [0] on the transmitter.
2. Within five seconds, press and hold [00] on the transmitter until the unit generates a long chirp.
3. Release [00] on the transmitter.

To Test and Adjust the Current Warn-Away Setting

Strike the vehicle to test the current setting. If the impact is detected the unit will chirp three times.

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- If the current setting is acceptable, do nothing and the unit will exit shock sensor adjustment mode.
- If the current setting is unacceptable, press 0 to decrease the sensitivity or 00 to increase the sensitivity. Each time 0 is pressed, the unit will emit one chirp and the sensitivity is decreased one step. Each time 00 is pressed, the unit will emit two chirps and the sensitivity will be increased one step. There are 16 possible settings. When the maximum or minimum setting is achieved, the siren will emit a long chirp.

Adjusting the Shock Sensor Full Trigger

1. Arm the system by pressing 0 on your transmitter .
2. Within five seconds, press and hold 00 on the transmitter until the unit generates a long chirp.
3. Release 00 on the transmitter.

To Test and Adjust the Current Full Trigger Setting

Strike the vehicle to test the current setting. If the impact is detected the unit will chirp three times.

- If the current setting is acceptable do nothing and the unit will exit shock sensor adjustment mode.
- If the current setting is unacceptable, press 0 to decrease the sensitivity or 00 to increase the sensitivity. Each time 0 is pressed, the unit will emit one chirp and the sensitivity is decreased one step. Each time 00 is pressed, the unit will emit two chirps and the sensitivity will be increased one

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step. There are 16 possible settings. When the maximum or minimum setting is achieved, the siren will emit a long chirp.

NOTE: If more than five seconds elapse without an adjustment, shock sensor adjustment mode will be exited. Repeat steps 1 through 3 to make additional adjustments. The siren will generate one long chirp followed by two short chirps when the shock sensor adjustment mode is exited.

Code Hopping™

The receiver and transmitters each use a mathematical formula called an algorithm to change their code each time the transmitter is used. This technology has been developed to increase the security of the unit. The control unit knows what the next codes should be. This helps to keep the transmitter synchronized with the control unit even if you use the remote control out of range of the vehicle. However, if the transmitter has been pressed many times out of range of the vehicle, or the battery has been removed, it may get out of sync with the control unit and fail to operate the system. To resynchronize the remote control simply press on the remote control several times within range of the vehicle. The alarm will automatically resynchronize and respond to the transmitters normally.

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Programming Options

Programming options control what your system does during normal operation, and require few or no additional parts; however, some options may require additional installation labor. The factory settings are in **bold**.

- **Voice command** or chirps. You can choose whether you want the system to issue voice commands or chirps to protect your vehicle.
- Audible arm/disarm voice confirmation or confirmation chirps **on** or off.
- Current sensor **on** or off.
- Code Hopping™ **on** or off.

Security & Convenience Expansions

Here we have listed only some of the many expansion options available. Please consult your dealer for a complete explanation of all the options available to you.

Backup Battery: The 520T keeps the system armed, triggers the alarm and keeps the starter kill active if main battery power is disconnected.

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FailSafe® Starter Kill: An automatic switch controlled by the security system which prevents the vehicle's starter from cranking whenever the system is armed. The vehicle is never prevented from cranking when the system is disarmed, in Valet® mode, or should the starter kill switch itself fail.

Field Disturbance Sensor: An invisible dome of coverage is established by the 508D "radar" sensor. Your system can react to any intrusions into this field with the triggered sequence.

Power Window Control: Automatic power window control is provided with the 529T system. The 529T can operate power windows, and can roll them up automatically when the system is armed.

Glossary of Terms

Control Unit: The "brain" of your system. It houses the microprocessor which monitors your vehicle and controls all of the alarm's functions.

LED: Red light mounted somewhere in the vehicle. It is used to indicate the status of your system.

Shock Sensor: This system is packaged with a Doubleguard® Shock Sensor, which is designed to pick up impacts to the vehicle or glass.

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Siren: Noise generating device on-board the control unit. It is responsible for generating the voice announcements and chirps that you hear, as well as the tones you hear while the alarm is triggered.

Transmitter: Hand-held, remote control which operates the various functions of your system.

Trigger or triggered response: This is what happens when the alarm "goes off" or "trips." The triggered response of your system consists of 30 seconds of siren sounding and parking light flashing (optional).

Warn Away® response: Lighter impacts to the vehicle will generate the Warn-Away response. It consists of the announcement "PROTECTED BY SECURITY SYSTEM - STAND BACK" and several seconds of parking light flashes (optional).

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Cut along dotted line and fold for a quick and easy reference to keep in your purse or wallet.

QUICK REFERENCE GUIDE:

To arm using your remote

- You can activate, or arm, the system by pressing [1] of your transmitter for one second. When the system arms, the voice command module will announce "SYSTEM ARMED" and the parking lights will flash once (optional).

To disarm using your remote

- To disarm the system, press [1] again. The voice command module will announce "SYSTEM DISARMED" and the parking lights will flash twice (optional).

To activate Panic Mode

- Press and hold [1] down for 1.5 seconds.

To exit Panic Mode

- Press [1] on the transmitter to stop Panic Mode.

To activate Silent Mode™

- Press [11] briefly before arming or disarming, and the voice confirmation will be eliminated for that one operation only.

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The company behind this system is Directed Electronics, Inc.

Since its inception, DEI® has had one purpose, to provide consumers with the finest vehicle security and car stereo products and accessories available. The recipient of more than 20 patents in the field of advanced electronic technology, DEI is ISO 9001 registered.

Quality Directed Electronics products are sold and serviced throughout North America and around the world.

Call **(800) 274-0200** for more information about our products and services.

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DEI is an ISO 9001 registered company.

DEI is committed to delivering on time, the best products we know how to provide, and to constantly work with our customers and vendors to improve our products, quality, delivery and customer friendly features.

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